

Data File : VV014074.D  
Acq On : 16 Dec 2019 15:59  
Operator : SY/MD  
Sample : K6275-12  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFDS8

Quant Time: Dec 17 05:47:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 17 05:42:45 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.69  | 114  | 285291   | 5.00 | ug/L  | 0.04     |
| 28) Chlorobenzene-d5       | 8.94  | 117  | 281226   | 5.00 | ug/L  | 0.05     |
| 60) 1,4-Dichlorobenzene-d4 | 11.31 | 152  | 161235   | 5.00 | ug/L  | 0.02     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 112478   | 6.37     | ug/L | 0.08     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 127.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 99572    | 6.64     | ug/L | 0.10     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 132.80%# |
| 11) 1,1-Dichloroethene-d2      | 2.23   | 63    | 91335    | 3.07     | ug/L | 0.10     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.40%   |
| 20) 2-Butanone-d5              | 4.14   | 46    | 71661    | 19.52    | ug/L | 0.20     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 39.04%#  |
| 24) Chloroform-d               | 4.51   | 84    | 120248   | 3.38     | ug/L | 0.11     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 67.60%#  |
| 26) 1,2-Dichloroethane-d4      | 5.16   | 65    | 46716    | 2.76     | ug/L | 0.08     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 55.20%#  |
| 32) Benzene-d6                 | 5.16   | 84    | 229236   | 3.16     | ug/L | 0.07     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 63.20%#  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 53465    | 2.47     | ug/L | 0.01     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 49.40%#  |
| 41) Toluene-d8                 | 7.46   | 98    | 199105   | 2.92     | ug/L | 0.10     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 58.40%#  |
| 43) trans-1,3-Dichloropropene- | 7.75   | 79    | 22291    | 2.65     | ug/L | 0.09     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 53.00%#  |
| 46) 2-Hexanone-d5              | 8.20   | 63    | 101115   | 32.57    | ug/L | 0.07     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 65.14%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.28  | 84    | 57662    | 3.84     | ug/L | 0.02     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 76.80%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 124549   | 4.38     | ug/L | 0.01     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 87.60%   |

#### Target Compounds

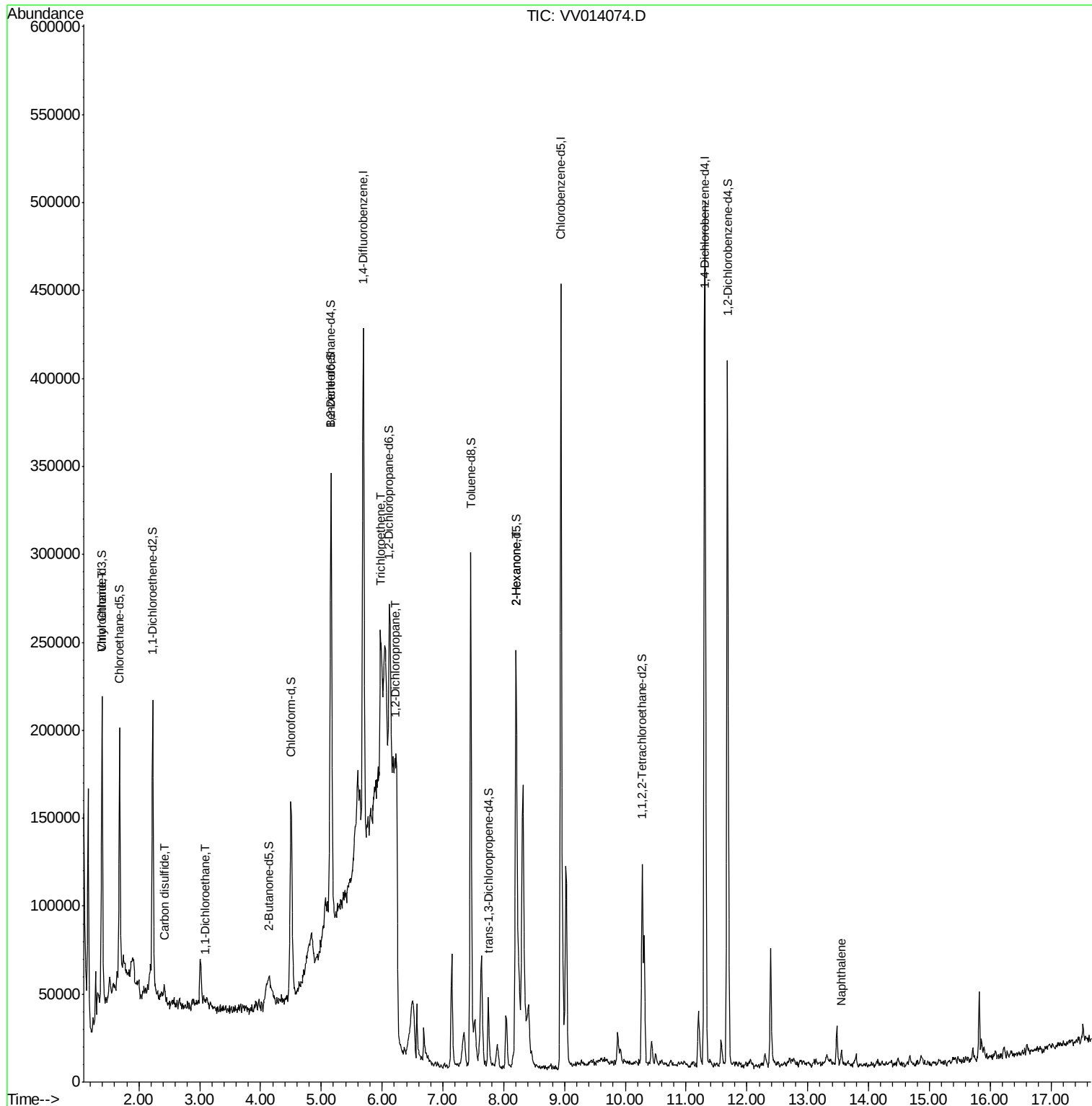
|                         |       |     |       |              | Qvalue |
|-------------------------|-------|-----|-------|--------------|--------|
| 8) Chloroethane         | 1.40  | 64  | 7105  | 0.692 ug/L   | 96     |
| 14) Carbon disulfide    | 2.42  | 76  | 11528 | 0.364 ug/L # | 93     |
| 19) 1,1-Dichloroethane  | 3.10  | 63  | 2743  | 0.089 ug/L   | 95     |
| 34) Trichloroethene     | 5.97  | 95  | 3711  | 0.195 ug/L   | 87     |
| 37) 1,2-Dichloropropane | 6.22  | 63  | 1358  | 0.077 ug/L # | 1      |
| 48) 2-Hexanone          | 8.20  | 43  | 11227 | 1.520 ug/L # | 73     |
| 69) Naphthalene         | 13.55 | 128 | 4602  | 0.104 ug/L # | 93     |

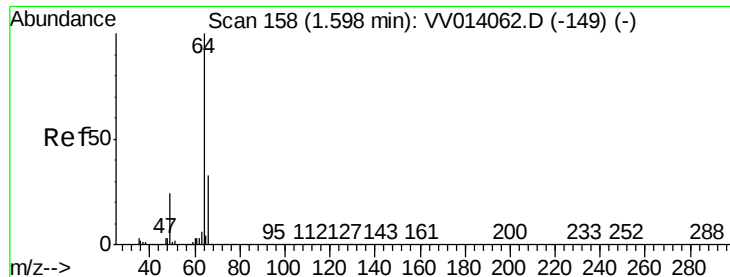
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.692 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.20 min

Lab File: VV014074.D

Acq: 16 Dec 2019 15:59

Instrument :

MSVOA\_V

ClientSampleId :

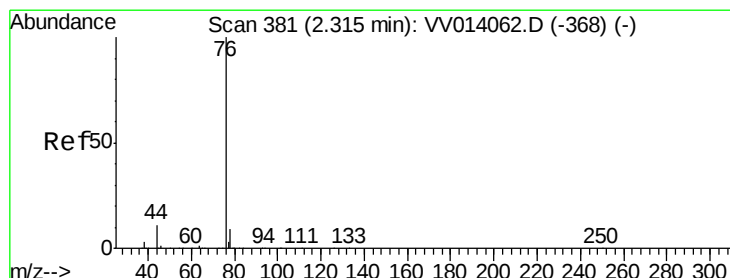
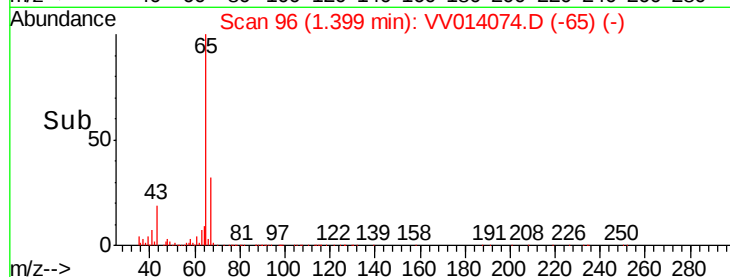
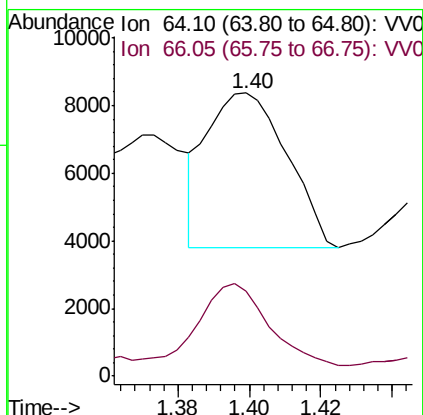
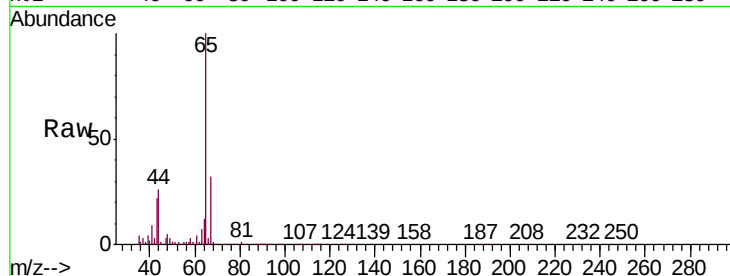
BFDS8

Tgt Ion: 64 Resp: 7105

Ion Ratio Lower Upper

64 100

66 30.2 22.6 42.0



#14

Carbon disulfide

Concen: 0.364 ug/L

RT: 2.42 min Scan# 412

Delta R.T. 0.10 min

Lab File: VV014074.D

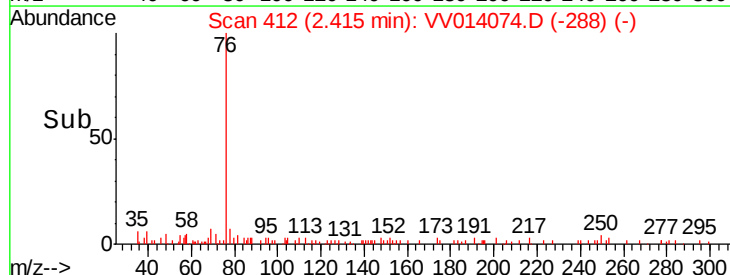
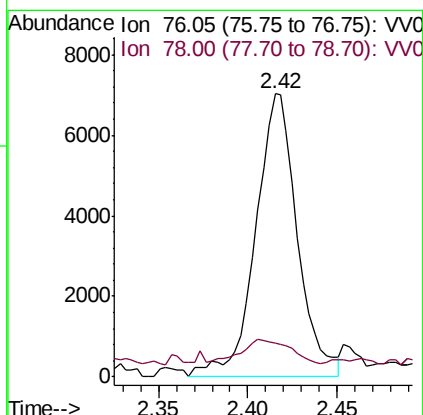
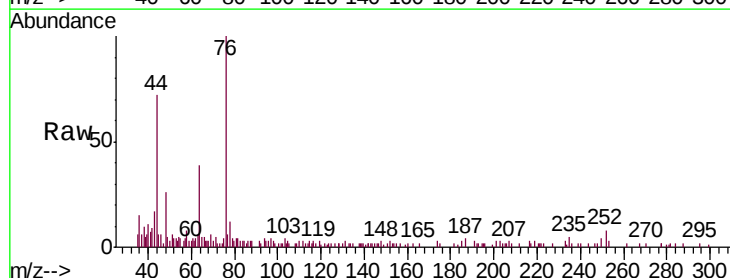
Acq: 16 Dec 2019 15:59

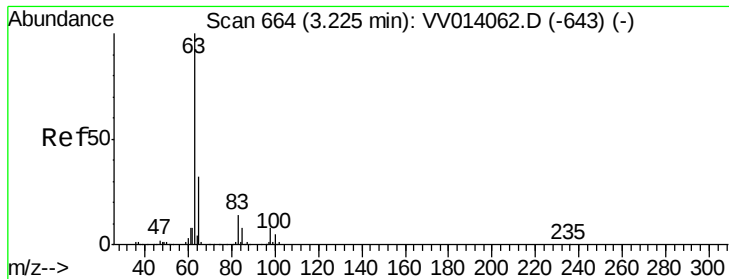
Tgt Ion: 76 Resp: 11528

Ion Ratio Lower Upper

76 100

78 11.9 7.5 11.3#

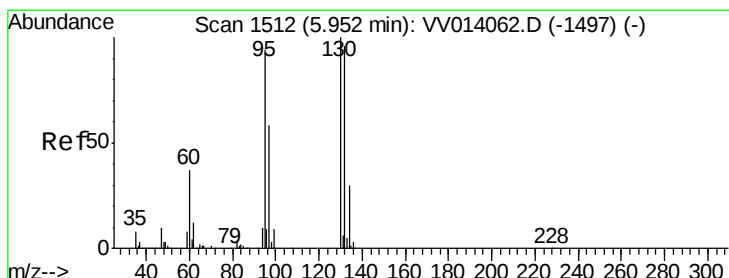
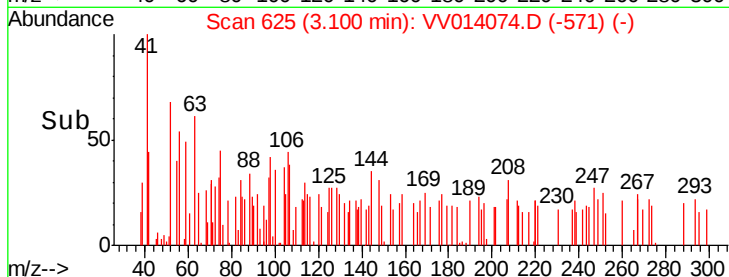
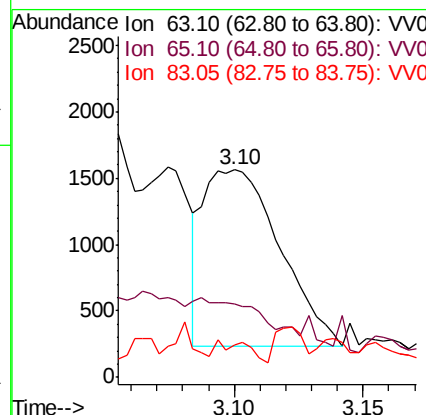
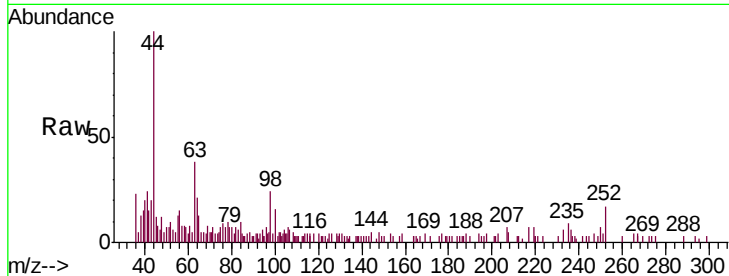




#19  
 1,1-Dichloroethane  
 Concen: 0.089 ug/L  
 RT: 3.10 min Scan# 625  
 Delta R.T. -0.13 min  
 Lab File: VV014074.D  
 Acq: 16 Dec 2019 15:59

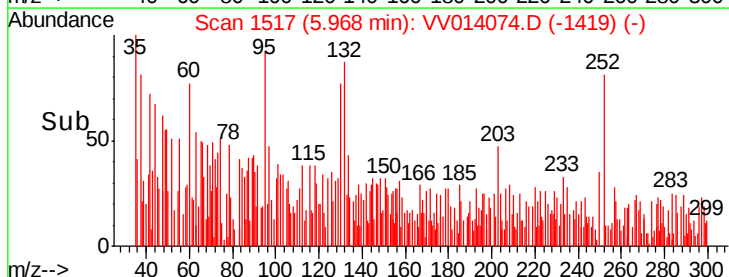
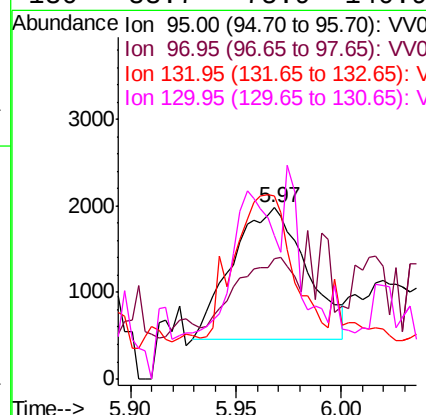
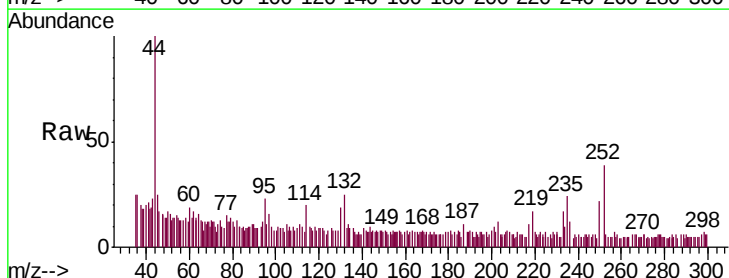
Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 BFDS8

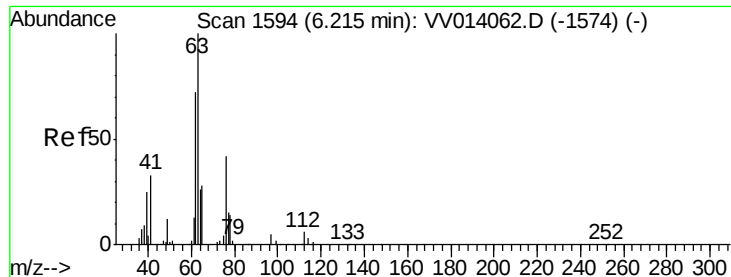
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 2743  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 35.2  | 22.7  | 42.1  |
| 83       | 15.8  | 9.2   | 17.2  |



#34  
 Trichloroethene  
 Concen: 0.195 ug/L  
 RT: 5.97 min Scan# 1517  
 Delta R.T. 0.02 min  
 Lab File: VV014074.D  
 Acq: 16 Dec 2019 15:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 3711  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 70.5  | 45.6  | 84.8  |
| 132      | 106.9 | 70.5  | 130.9 |
| 130      | 83.7  | 75.9  | 140.9 |

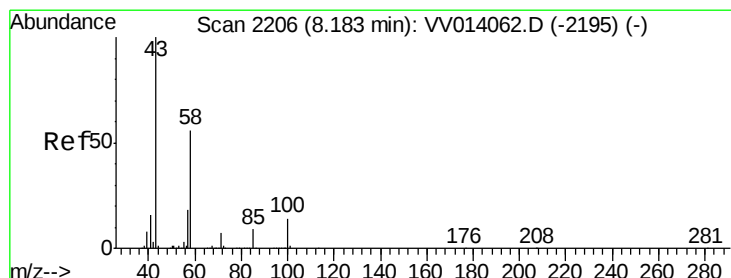
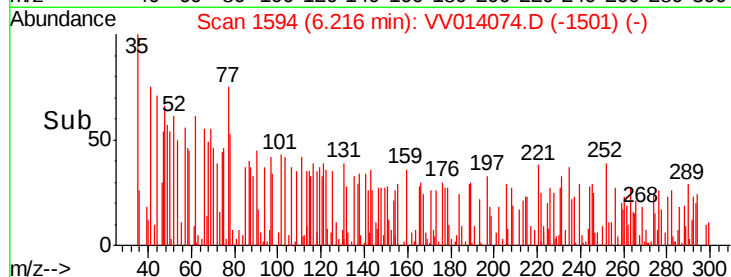
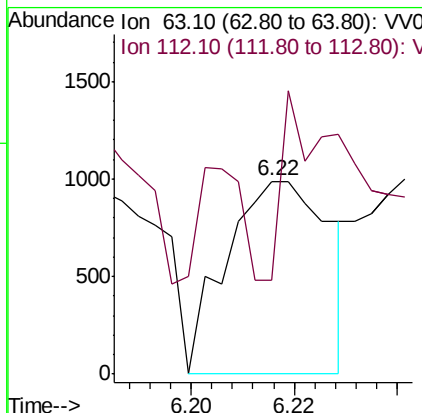
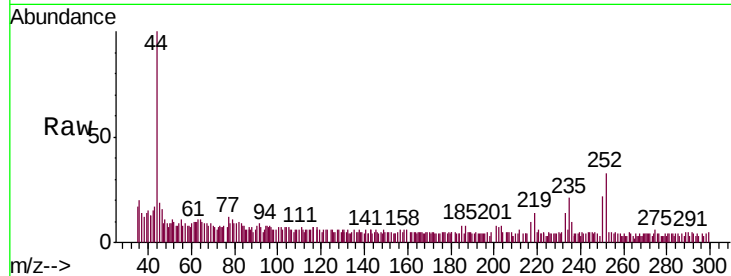




#37  
 1,2-Dichloropropane  
 Concen: 0.077 ug/L  
 RT: 6.22 min Scan# 1594  
 Delta R.T. 0.00 min  
 Lab File: VV014074.D  
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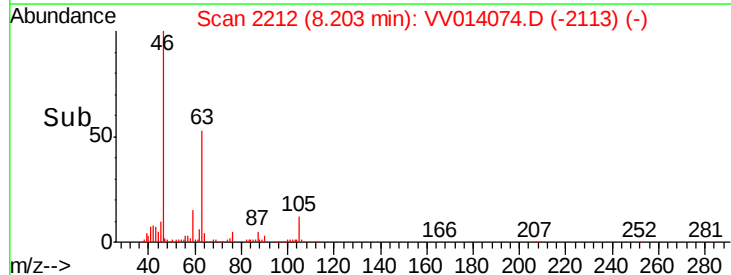
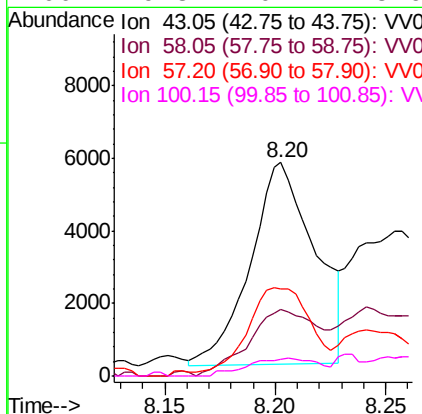
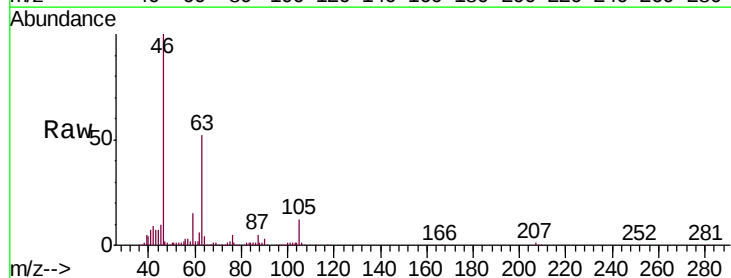
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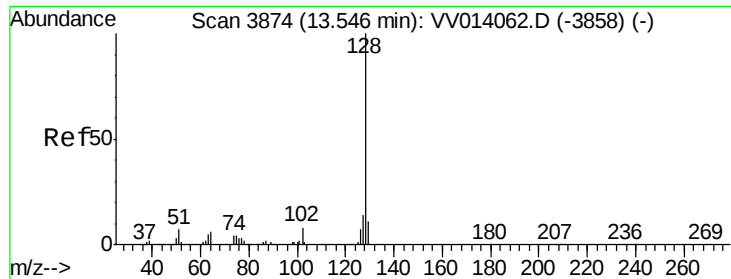
Tgt Ion: 63 Resp: 1358  
 Ion Ratio Lower Upper  
 63 100  
 112 163.0 4.4 6.6#



#48  
 2-Hexanone  
 Concen: 1.520 ug/L  
 RT: 8.20 min Scan# 2212  
 Delta R.T. 0.02 min  
 Lab File: VV014074.D  
 Acq: 16 Dec 2019 15:59

Tgt Ion: 43 Resp: 11227  
 Ion Ratio Lower Upper  
 43 100  
 58 36.3 43.2 64.8#  
 57 39.4 15.4 23.2#  
 100 9.8 10.4 15.6#





#69

Naphthalene

Concen: 0.104 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV014074.D

Acq: 16 Dec 2019 15:59

Instrument :

MSVOA\_V

ClientSampleId :

BDFS8

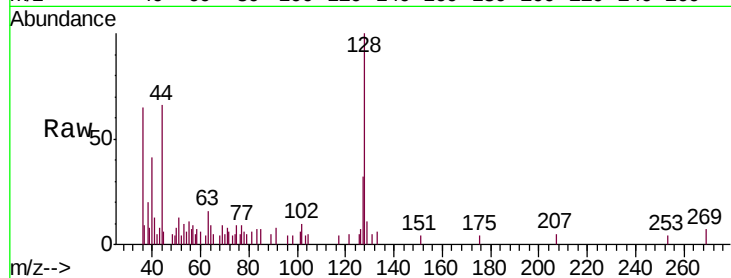
Tgt Ion:128 Resp: 4602

Ion Ratio Lower Upper

128 100

129 8.9 8.6 12.8

127 16.6 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

